

SANSKRITI IAS DAILY CURRENT AFFAIRS

09-09-2026

Bhoramdeo Wildlife Sanctuary

ETV Bharat

To Monitor Birds And Other Wildlife, Chhattisgarh's Bhoramdev Sanctuary To Record Sounds Made By Them

Kawardha: Wildlife and bird monitoring at the renowned Bhoramdev Wildlife Sanctuary in Chhattisgarh is set to receive a technological boost,...



Why in News

- The Chhattisgarh Forest Department is preparing to introduce “**bird hearing**” technology for monitoring birds and other wildlife in **Bhoramdeo Wildlife Sanctuary**.

Geographical and Ecological Profile

- The sanctuary is located in **Kawardha district, Chhattisgarh**, within the **Maikal Range of the Satpura Hills**.
- It forms part of the **Kanha–Achanakmar Corridor**, linking **Kanha National Park** in Madhya Pradesh with **Achanakmar Wildlife Sanctuary** in Chhattisgarh.
- It covers approximately **352 sq. km** and has undulating hills, dense forests and numerous streams.
- The **Sakari River** flows through the sanctuary and provides drinking water for wildlife.

Biodiversity and Local Communities

- The vegetation comprises **tropical moist and dry deciduous forests**, including **saaj, sal, tendu and eucalyptus**.
- Important fauna includes **Bengal tiger, leopard, sloth bear, sambar, gaur, wild boar and monitor lizard**, along with **100+ bird species**.
- The surrounding landscape is inhabited by tribal communities including the **Baiga, Gond and Kanwar** tribes.

About Nagvanshi Dynasty

- **Region:** Chotanagpur, present-day **Jharkhand**
- **Timeline:** Traditionally traced from around the **1st millennium CE**; continued into the **British period**.
- **Founder :** **Phani Mukut Rai**
- **Notable ruler:** **Durjan Sal** — associated with **Navratangarh**, an important Nagvanshi capital.
- **Legacy:** Forts, temples and regional cultural heritage.

Cultural Linkages

- The sanctuary derives its name from the nearby **Bhoramdeo Temple**, an ancient temple complex dating to the **7th–11th centuries**.
- The temple was built by the **Nagvanshi dynasty**, is dedicated to **Lord Shiva**, and is popularly called the **“Khajuraho of Chhattisgarh.”**

Shivneri Fort

in India Today

Shivneri Fort Dargah Row: BJP Alleges Land Jihad at Shivaji Maharaj Birthplace, Warns of Agitation - India Today

Political tension has erupted over the presence of a dargah near Shivneri Fort, the birthplace of Chhatrapati Shivaji Maharaj.



Why in News

- Maharashtra's Cultural Affairs Minister directed authorities to conduct an **“objective assessment” of unauthorised constructions, graves and dargahs** in and around **Shivneri Fort** and take appropriate action.

Historical and Strategic Significance

- **Shivneri Fort** is a hill fort near **Junnar in Pune district, Maharashtra**, and is famous as the **birthplace of Chhatrapati Shivaji Maharaj**.
- The fort dates back to the **Satavahana period** and was subsequently associated with the **Shilaharas and Yadavas**.
- It strategically protected an old **trade route connecting the Desh region with Kalyan port**.
- It later came under the **Bahmani Sultanate** and subsequently the **Ahmadnagar Sultanate**.



Maratha Linkages

- In **1595**, Ahmadnagar Sultan **Bahadur Nizam Shah** honoured **Maloji Bhosale**, grandfather of Shivaji Maharaj, and granted him control of **Shivneri and Chakan forts**.
- **Shivaji Maharaj was born at Shivneri Fort on 19 February 1630**, although some historical records suggest **1627** as the birth year.
- English traveller **Frazer**, who visited the fort in **1673**, described it as a very strong fort that was difficult to defeat.

Architectural Features

- The fort is a **triangular-shaped hill fort** with its entrance on the **southwestern side**.

- It extends for about **1 km** and contains **seven winding, fortified gates** surrounded by strong mud walls.
- Important structures include a **prayer hall, tomb and mosque**, while **Badami Talav** lies near the centre.
- The fort has perennial springs known as **Ganges and Yamuna**, while the nearby **Lenyadri Buddhist rock-cut caves** lie about **2 km away**.

Atherosclerosis

ET HealthWorld

Iron transporting protein may help early diagnosis of heart disease, says study

A groundbreaking study suggests that lower levels of serotransferrin, an iron-transporting protein, can signal early coronary artery disease...

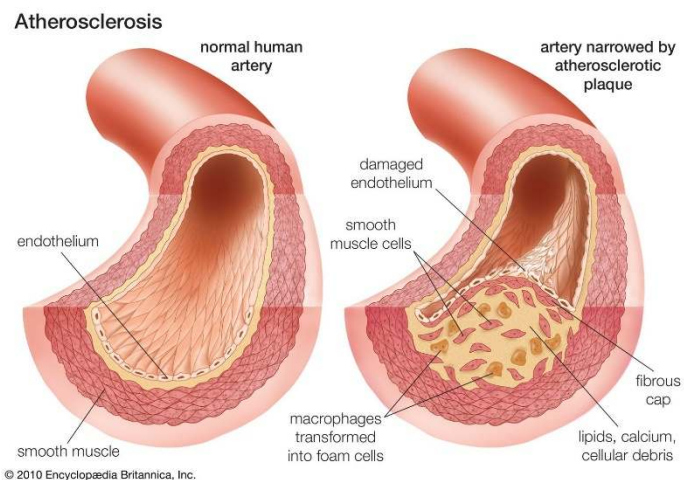


Why in News

- A recent study involving mice and patients suggests that **atherosclerosis may meet the criteria for an autoimmune disease**.

Pathophysiology

- **Atherosclerosis** involves the accumulation of **plaque inside arteries**, restricting the flow of oxygen-rich blood.
- Plaque consists of substances including **cholesterol, fat, blood cells and calcium**, and progressively hardens with time.
- **Arteriosclerosis** refers broadly to hardening and loss of arterial flexibility, while atherosclerosis is a common form caused by **plaque buildup**.



Clinical Manifestations

- Atherosclerosis can affect different arterial systems, producing conditions such as **coronary artery disease, peripheral artery disease, carotid artery disease and renal artery stenosis**.
- Symptoms may remain absent until an artery becomes severely narrowed or blocked, with possible manifestations including **angina, breathing difficulty, fatigue, limb pain and confusion**.

- Plaque rupture can trigger **blood-clot formation**, potentially causing **heart attack, stroke, vascular dementia or limb loss**.

Risk and Management Dimensions

- Plaque formation may begin during **childhood** and worsen with age, with contributing factors including **unhealthy lifestyle, medical conditions and genetic factors**.
- Management may involve a **heart-healthy lifestyle and medicines**, while emerging research is examining its possible **autoimmune characteristics**.

Financial Intelligence Unit–India

F. Firstpost

India orders takedown of 15 crypto platforms under anti-money laundering law

The Financial Intelligence Unit-India (FIU-IND) under the Union Ministry of Finance has issued notice to 15 crypto platforms for...



Why in News

- The **Financial Intelligence Unit–India (FIU-IND)** issued notices to **15 Virtual Digital Asset (VDA) Service Providers** for non-compliance under **Section 13 of the Prevention of Money Laundering Act, 2002 (PMLA)**.

Institutional Position

- **FIU-IND** was established by the Government of India in **2004** as the central agency for receiving, processing, analysing and disseminating information relating to **suspicious financial transactions**.
- It is an independent body that reports directly to the **Economic Intelligence Council (EIC)**, headed by the **Finance Minister**.

Core Intelligence Functions

- FIU-IND receives reports including **Cash Transaction Reports (CTRs), Non-Profit Organisation Transaction Reports (NTRs)** and **Cross-Border Wire Transfer Reports (CBWTRs)**.
- It analyses financial information to identify transaction patterns indicative of **money laundering and related crimes**.

National and International Role

- FIU-IND maintains a **national financial intelligence database** based on reports submitted by reporting entities.
- It coordinates financial-intelligence collection and sharing through **national, regional and global networks**.
- It also monitors **money-laundering trends, typologies and developments** through research and analysis.

- It shares intelligence with **law-enforcement agencies, regulatory authorities and foreign Financial Intelligence Units.**

Saqqara

TOI The Times of India

A 4,400-year-old tomb of an Egyptian father and son has been uncovered at Saqqara, revealing colourful ar

Rest of World News: The 4400-year-old tomb lies in the Mariette Necropolis and dates to the reign of King Djedkare Isesi.



Why in News

- Archaeologists in **Egypt** recently discovered an ancient tomb associated with the “**keeper of the secrets of royal decrees**” during excavations at Saqqara.

Historical-Geographical Context

- **Saqqara** forms part of the necropolis of the ancient Egyptian city of **Memphis** and lies about **24 km southwest of Cairo.**
- The site extends for approximately **8 km** along the edge of the desert plateau, between **Abu Sir** to the north and **Dahshur** to the south.

UNESCO and Archaeological Significance

- In **1979**, the ancient ruins of the Memphis area, including **Saqqara, Abu Sir, Dahshur, Abu Ruwaysh and the Pyramids of Giza**, were collectively designated a **UNESCO World Heritage Site.**
- Saqqara contains numerous **pyramids, tombs, mastabas, temples and funerary monuments.**
- A **mastaba** is a rectangular ancient Egyptian tomb with a flat roof and sloping sides.

Evolution of Pyramid Architecture

- Saqqara marks an important transition from the **mastaba burial form to pyramid architecture.**
- The **Step Pyramid of Djoser**, built around **2686–2667 BC**, is regarded in the source as the **oldest surviving pyramid in the world.**
- The Step Pyramid was designed by **Imhotep** and has a distinctive **six-tiered structure** that influenced subsequent pyramid construction.

Other Major Monuments

- Saqqara contains pyramids of important rulers of the **Fifth and Sixth Dynasties** of the Old Kingdom.

- The **Pyramid of Unas** contains the oldest pyramid burial chamber decorated with texts.
- The **Serapeum** consists of underground galleries where **Apis Bulls**, regarded as an incarnation of the god **Ptah**, were buried from the **Eighteenth Dynasty to the Ptolemaic Period**.

Other Important News of the day

Places in News

Luxembourg

Why in News

- **India and Luxembourg** discussed expanding bilateral cooperation in **space** and exploring collaboration in **artificial intelligence, quantum technologies, advanced materials and life sciences**.

Geographical Profile

- **Luxembourg** is a small, landlocked **country in Western Europe**, bordered by **Germany, France and Belgium**.
- Its capital is **Luxembourg City**, and it has a **continental climate** with cold winters and relatively mild to warm summers.
- Its highest point is **Burgplatz**, at approximately **559 m** above sea level.



International and Physical Features

- Luxembourg is a **founding member of the European Union and NATO**.
- Major rivers include the **Alzette, Eisch, Moselle, Our and Sûre**, while **Lake Sûre** is identified in the source as its largest lake.
- Reported natural resources include **oil, natural gas, coal, minerals and forests**.

Environment

Buellia maharajensis

TH The Hindu

New lichen species discovered in Keralam's Mathikettan Shola National Park

Researchers have discovered a new lichen species, *Buellia maharajensis*, in Kerala's Mathikettan Shola National Park, enhancing biodiversity...



Why in News

- Researchers discovered a new lichen species, **Buellia maharajensis**, in **Mathikettan Shola National Park, Kerala**.

	Species and Habitat ➤ Buellia maharajensis is the fourth lichen variety reported from Mathikettan Shola National Park. ➤ It is a saxicolous lichen, meaning it grows directly on rock surfaces, and was recorded at approximately 1,351 m elevation. Lichen Biology ➤ A lichen is a symbiotic association between a fungus and a photosynthetic partner such as an alga or cyanobacterium. ➤ The photosynthetic partner produces carbohydrates and vitamins, while the fungus provides water, shelter and shade. ➤ The composite body of a lichen is called a thallus, while rhizines are hair-like structures that anchor it to its substrate. Ecological Distribution ➤ Lichens occur worldwide across diverse environmental conditions and can colonise tree bark, exposed rocks and biological soil crusts. ➤ Their ability to inhabit varied substrates makes them important components of diverse terrestrial ecosystems.
Persons in News	Miss World 2026  The Indian Express Dominican Republic's Joheirry Mola Dominguez is Miss World 2026 Miss World 2026: Joheirry Mola Dominguez from the Dominican Republic won the 73rd Miss World 2026 title, beating Spain's Elisabeth Reynés as...  Why in News ➤ Joheirry Mola Dominguez of the Dominican Republic won Miss World 2026 at the 73rd Miss World final in Nha Trang, Vietnam, on 5 September 2026. Key Facts ➤ Elisabeth Reynés (Spain) was the first runner-up, while Taanusiya Chetty (Malaysia) was the second runner-up. ➤ The competition featured 111 national ambassadors, and Vietnam hosted Miss World for the first time. ➤ The Dominican Republic secured its second Miss World title. ➤ India's Nikita Porwal reached the Top 40 but did not enter the Top 20. ➤ Tanzania is scheduled to host Miss World 2027. 

TRISHNA Mission

TH The Hindu

We have complete trust in our Indian partners: French National Space Agency

French space agency CNES expresses unwavering trust in ISRO despite recent PSLV failures, as they prepare for the TRISHNA mission.



Why in News

- The **PSLV** is scheduled to launch the Indo-French **TRISHNA mission**, a joint mission of **ISRO and CNES**.

Mission Architecture and Objectives

- **TRISHNA** stands for **Thermal Infra-Red Imaging Satellite for High-resolution Natural Resource Assessment**.
- The mission is designed for high spatial and temporal resolution monitoring of **Earth's surface temperature, emissivity, biophysical variables and radiation variables**.
- It will assess **terrestrial water stress and water use**, monitor **water quality and dynamics**, and support **urban heat-island and thermal-anomaly detection**.
- It will also monitor **snow-melt runoff, glacier dynamics, aerosol optical depth, atmospheric water vapour and cloud cover**.

Payload Configuration

- The **Thermal Infra-Red (TIR) payload**, provided by **CNES**, uses a four-channel long-wave infrared sensor for mapping surface temperature and emissivity.
- The **VNIR-SWIR payload**, developed by **ISRO**, contains **seven spectral bands** for mapping surface reflectance and generating biophysical and radiation-budget variables.

Orbital and Resolution Parameters

- TRISHNA will operate in a **sun-synchronous orbit at 761 km altitude** with a planned **5-year operational life**.
- Its stated spatial resolution is **57 m for land and coastal areas** and **1 km for oceanic and polar regions**.

Global Utility

- Mission data will support initiatives including **GEOGLAM**, the **UN Sustainable Development Goals** and **Global Water Watch**.

- Some outputs are expected to contribute to **Essential Agricultural Variables (EAVs)** and **Essential Climate Variables (ECVs)**.

UTTAR PRADESH IN NEWS

9th Rashtriya Poshan Maah 2026

 News On AIR

9th Rashtriya Poshan Maah to be launched in Varanasi on Wednesday

The 9th Rashtriya Poshan Maah 2026 will be launched by the Ministry of Women and Child Development in Varanasi on Wednesday.



Why in News

- **Ministry of Women and Child Development** will launch the **9th Rashtriya Poshan Maah 2026** on **9 September 2026** in **Varanasi** under the theme **“Hamari Anganwadi Hamari Jimmedari”**.

Key Policy Linkages

- **Poshan Abhiyaan** was launched in **2018**, while **Rashtriya Poshan Maah** is observed every **September** as a nationwide **Jan Andolan**.
- The campaign focuses on **dietary diversity, adequate protein, hot cooked meals, community ownership, early childhood development and 10 years of PMMVY**.
- **SNP Menu Boards** and **Anganwadi Management Committees (AMCs)** will strengthen transparency and community participation.

Nutrition & Child Development

- Anganwadi Centres will promote recipes using **locally available foods**, including **millets, pulses and seasonal vegetables**.
- For **0–3 years**, Anganwadi Workers will conduct home visits and monitor **34 developmental milestones**.
- For **3–6 years**, **Aadharshila, play-based activities and ECCE Day** will promote early learning.

PMMVY Focus

- The campaign marks **10 years of Pradhan Mantri Matru Vandana Yojana (PMMVY)** through a **100% saturation drive** for eligible pregnant and lactating women.
- The campaign aims to strengthen the vision of **“Suposhit Bharat”** as the **foundation of Viksit Bharat 2047**.